PATENT COOPERATION TREATY

rom VTE	the RNATIONAL SEAF	RCHING AUTHO	ORITY ,			
To:					PCT	
	see form l	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTH				
				(F	PCT Rule 43 <i>bis</i> .1)	
				Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)		
	licant's or agent's file form PCT/ISA/22	See paragraph 2 below No. International filing date (day/month/year) Priority date (day/month/year)				
	rnational application t T/IB2005/002266	No.	International filing date (25.07.2005	day/month/year)	Priority date (day/month/year) 05.08.2004	
		sification (IPC) or	both national classification	and IPC		
	1D29/38				<u> </u>	
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1.	This opinion co	ntains indicati	ons relating to the fol	lowing items:		
	☑ Box No. I	Basis of the op	pinion			
	☑ Box No. II	Priority				
	☐ Box No. III	Non-establishr	ment of opinion with reg	ard to novelty, inventi	ve step and industrial applicability	
	☐ Box No. IV	Lack of unity o	f invention			
	☑ Box No. V	Reasoned stat	ement under Rule 43 <i>bi.</i> tations and explanation	s.1(a)(i) with regard to s supporting such sta	novelty, inventive step or industrial tement	
	☐ Box No. VI	Certain docum		., 0	,	
	☐ Box No. VII	Certain defect	s in the international ap	olication		
	☐ Box No. VIII	Certain observ	rations on the internatio	nal application	·	
2.	FURTHER ACT					
	written opinion o the applicant cho International Bur	If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.				
	submit to the IPE	EA a written replicate of mailing	y together, where appro	opriate, with amendme	IPEA, the applicant is invited to ents, before the expiration of three of 22 months from the priority date,	
	For further option	ns, see Form P0	CT/ISA/220.			
3.	For further detail	s, see notes to	Form PCT/ISA/220.			
Nan	ne and mailing addre	ss of the ISA:		Authorized Officer		



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2005/002266

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-20

No:

Claims

Inventive step (IS)

Yes: Claims

1-20

No: Claims

Industrial applicability (IA)

Yes: Claims

1-20

No: Claims

2. Citations and explanations

see separate sheet

which the chord length increases gradually from the inner end to the outer end of the blade, "thereby allowing the relatively high rotational speed to be used effectively". This furthermore "enhances the amount of airflow and improves the efficiencies of the fan". In D1 however the blade profile has a non negligible chamber (see fig.3, D1) which results in a appreciable difference between the chord length and the claimed centre line length.

D2 discloses a fan, which, although failing to suggest blades having respectively convex trailing and concave leading edges, but only forward or backward swept blades, it suggest that the chord length should increase with the radius increase (see fig. 2, D2). Further details and chord length ranges and also suggested. The adimensional values of said ranges are anyway much bigger than what claimed in the present application.

Therefore the skilled man would not find any indication to combine the known fans and to modify them with inventive considerations, in order to arrive at the claimed subject-matter.

Therefore the solution to the technical problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).

- 4. Claims 2-20 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.
- 5. The subject-matter of the claims is considered to be industrially applicable (Art. 33(4) PCT).
- 6. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.